LIEBHERR

CONSTRUCTION EQUIPMENT



[[TERRAHAWK]] LIEBHERR R920 047896-1705 - Swing Drive

Sample No: LH0244612

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

ppm

ppm

ppm

ppm

ppm

ppm

ppm

ADDITIVES

Oil Type: LIEBHERR GEAR BASIC 90 LS

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SAM	PLE INFO F	RMATION		
Sample Number		LH0244612	 	
Sample Date		24 Jan 2024	 	
Machine Hours		900	 	
Oil Hours		900	 	
Oil Changed		Changed	 	
Sample Status		SEVERE	 	
OILC	ONDITION	4		
Visc @ 40°C	cSt	307	 	
-4		_		
CONT	TAMINAT	ION		
Water	%	3.06	 	
Silicon	ppm	<u>0</u> 19	 	
Sodium	ppm	6	 	
Potassium	ppm	3	 	
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WEA	R METALS	•		
Iron	ppm	1654	 	
Copper	ppm	148	 	
Lead	ppm	0 <1	 	
Tin	ppm	7	 	
Aluminum	ppm	1	 	
Chromium	ppm	<u> </u>	 	
Molybdenum	ppm	0	 	
Nickel	ppm	3	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	14	 	

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LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD RALEIGH, NC

US 27603

Contact: Timothy Bailey timothy.bailey@liebherr.com

T:

F: (919)329-0084

Diagnosis

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.Gear wear is indicated. Elemental level of silicon (Si) above normal indicating ingress of seal material. There is a high concentration of water present in the oil. The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

Depot:LIEBHERRNCUnique No:10848677Signed:Sean FeltonReport Date:30 Jan 2024

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CONSTRUCTION EQUIPMENT





GRAPHS

